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Near-Infrared and Optical Morphology of Spiral Galaxies. *Paul B. Eskridge, Jay A. Frogel, Richard W. Pogge, Alice C. Quillen, Andreas A. Berlind, Roger L. Davies, D. L. DePoy, Karoline M. Gilbert, Mark L. Houndashelt, Leslie E. Kuchinski, Solange V. Ramirez, K. Sellgren, Amelia Stutz, Donald M. Terndrup, & Glenn P. Tiede*. 143, 73 (2002)

Atomic Hydrogen Gas in Dark Matter Minihalos and the Compact High-Velocity Clouds. *Amiel Sternberg, Christopher F. McKee, & Mark G. Wolfire*. 143, 421 (2002)

#### GALAXIES: INTERACTIONS

Star Formation Rates in Interacting Starburst Galaxies. *M. A. Dopita, M. Pereira, L. J. Kewley, & M. Capaccioli*. 143, 47 (2002)

A *Hubble Space Telescope* Survey of the Mid-Ultraviolet Morphology of Nearby Galaxies. *Rogier A. Windhorst, Violet A. Taylor, Rolf A. Jansen, Stephen C. Odewahn, Claudia A. T. Chiarenza, Christopher J. Conselice, Richard de Grijs, Roelof S. de Jong, John W. MacKenty, Paul B. Eskridge, Jay A. Frogel, John S. Gallagher III, John E. Hibbard, Lynn D. Matthews, & Robert W. O'Connell*. 143, 113 (2002)

Optical and Near-Infrared Imaging of the *IRAS* 1 Jy Sample of Ultraluminous Infrared Galaxies. I. The Atlas. *D. C. Kim, S. Veilleux, & D. B. Sanders*. 143, 279 (2002)

Optical and Near-Infrared Imaging of the *IRAS* 1 Jy Sample of Ultraluminous Infrared Galaxies. II. The Analysis. *S. Veilleux, D. C. Kim, & D. B. Sanders*. 143, 317 (2002)

#### GALAXIES: INTERGALACTIC MEDIUM

Atomic Hydrogen Gas in Dark Matter Minihalos and the Compact High-Velocity Clouds. *Amiel Sternberg, Christopher F. McKee, & Mark G. Wolfire*. 143, 421 (2002)

#### GALAXIES: IRREGULAR

A *Hubble Space Telescope* Survey of the Mid-Ultraviolet Morphology of Nearby Galaxies. *Rogier A. Windhorst, Violet A. Taylor, Rolf A. Jansen, Stephen C. Odewahn, Claudia A. T. Chiarenza, Christopher J. Conselice, Richard de Grijs, Roelof S. de Jong, John W. MacKenty, Paul B. Eskridge, Jay A. Frogel, John S. Gallagher III, John E. Hibbard, Lynn D. Matthews, & Robert W. O'Connell*. 143, 113 (2002)

#### GALAXIES: LOCAL GROUP

Atomic Hydrogen Gas in Dark Matter Minihalos and the Compact High-Velocity Clouds. *Amiel Sternberg, Christopher F. McKee, & Mark G. Wolfire*. 143, 421 (2002)

#### GALAXIES: NUCLEI

A New Database of Observed Spectral Energy Distribution of Nearby Starburst Galaxies from the Ultraviolet to the Far-Infrared. *Wentao Wu, Geoffrey C. Clayton, Karl D. Gordon, Karl A. Misselt, Tracy L. Smith, & Daniela Calzetti*. 143, 379 (2002)

#### GALAXIES: PECULIAR

A *Hubble Space Telescope* Survey of the Mid-Ultraviolet Morphology of Nearby Galaxies. *Rogier A. Windhorst, Violet A. Taylor, Rolf A. Jansen, Stephen C. Odewahn, Claudia A. T. Chiarenza, Christopher J. Conselice, Richard de Grijs, Roelof S. de Jong, John W. MacKenty, Paul B. Eskridge, Jay A. Frogel, John S. Gallagher III, John E. Hibbard, Lynn D. Matthews, & Robert W. O'Connell*. 143, 113 (2002)

A New Database of Observed Spectral Energy Distribution of Nearby Starburst Galaxies from the Ultraviolet to the Far-Infrared. *Wentao Wu, Geoffrey C.*

Clayton, Karl D. Gordon, Karl A. Misselt, Tracy L. Smith, & Daniela Calzetti. 143, 379 (2002)

### GALAXIES: PHOTOMETRY

Optical and Near-Infrared Imaging of the *IRAS* 1 Jy Sample of Ultraluminous Infrared Galaxies. I. The Atlas. D. C. Kim, S. Veilleux, & D. B. Sanders. 143, 279 (2002)

### GALAXIES: QUASARS: EMISSION LINES

Emission Line Properties of Active Galactic Nuclei from a Pre-COSTAR FOS *Hubble Space Telescope* Spectral Atlas. Joanna K. Kuraszkiewicz, Paul J. Green, Karl Forster, Thomas L. Aldcroft, Ian N. Evans, & Anuradha Koratkar. 143, 259 (2002)

### GALAXIES: QUASARS: GENERAL

Optical Counterparts for 70,000 Radio Sources: APM Identifications for the FIRST Radio Survey. Richard G. McMahon, Richard L. White, David J. Helfand, & Robert H. Becker. 143, 1 (2002)

Emission Line Properties of Active Galactic Nuclei from a Pre-COSTAR FOS *Hubble Space Telescope* Spectral Atlas. Joanna K. Kuraszkiewicz, Paul J. Green, Karl Forster, Thomas L. Aldcroft, Ian N. Evans, & Anuradha Koratkar. 143, 259 (2002)

### GALAXIES: SEYFERT

Optical and Near-Infrared Imaging of the *IRAS* 1 Jy Sample of Ultraluminous Infrared Galaxies. I. The Atlas. D. C. Kim, S. Veilleux, & D. B. Sanders. 143, 279 (2002)

Optical and Near-Infrared Imaging of the *IRAS* 1 Jy Sample of Ultraluminous Infrared Galaxies. II. The Analysis. S. Veilleux, D. C. Kim, & D. B. Sanders. 143, 317 (2002)

Optical and Near-Infrared Imaging of the *IRAS* 1 Jy Sample of Ultraluminous Infrared Galaxies. II. The Analysis. S. Veilleux, D. C. Kim, & D. B. Sanders. 143, 317 (2002)

### GALAXIES: SPIRAL

A *Hubble Space Telescope* Survey of the Mid-Ultraviolet Morphology of Nearby Galaxies. Rogier A. Windhorst, Violet A. Taylor, Rolf A. Jansen, Stephen C. Odewhahn, Claudia A. T. Chiarenza, Christopher J. Conselice, Richard de Grijs, Roelof S. de Jong, John W. MacKenty, Paul B. Eskridge, Jay A. Frogel, John S. Gallagher III, John E. Hibbard, Lynn D. Matthews, & Robert W. O'Connell. 143, 113 (2002)

### GALAXIES: STARBURST

Star Formation Rates in Interacting Starburst Galaxies. M. A. Dopita, M. Pereira, L. J. Kewley, & M. Capaccioli. 143, 47 (2002)

Optical and Near-Infrared Imaging of the *IRAS* 1 Jy Sample of Ultraluminous Infrared Galaxies. I. The Atlas. D. C. Kim, S. Veilleux, & D. B. Sanders. 143, 279 (2002)

A New Database of Observed Spectral Energy Distribution of Nearby Starburst Galaxies from the Ultraviolet to the Far-Infrared. Wentao Wu, Geoffrey C. Clayton, Karl D. Gordon, Karl A. Misselt, Tracy L. Smith, & Daniela Calzetti. 143, 379 (2002)

### GALAXIES: STATISTICS

Near-Infrared and Optical Morphology of Spiral Galaxies. Paul B. Eskridge, Jay A. Frogel, Richard W. Pogge, Alice C. Quillen, Andreas A. Berlind, Roger L. Davies, D. L. DePoy, Karoline M. Gilbert, Mark L. Houndsashelt, Leslie E. Kuchinski, Solange V. Ramirez, K. Sellgren, Amelia Stutz, Donald M. Terndrup, & Glenn P. Tiede. 143, 73 (2002)

### GALAXIES: STRUCTURE

Near-Infrared and Optical Morphology of Spiral Galaxies. Paul B. Eskridge, Jay A. Frogel, Richard W. Pogge, Alice C. Quillen, Andreas A. Berlind, Roger L. Davies, D. L. DePoy, Karoline M. Gilbert, Mark L. Houndsashelt, Leslie E. Kuchinski, Solange V. Ramirez, K. Sellgren, Amelia Stutz, Donald M. Terndrup, & Glenn P. Tiede. 143, 73 (2002)

### GALAXY: EVOLUTION

Atomic Hydrogen Gas in Dark Matter Minihalos and the Compact High-Velocity Clouds. Amiel Sternberg, Christopher F. McKee, & Mark G. Wolfire. 143, 421 (2002)

### GALAXY: FORMATION

Atomic Hydrogen Gas in Dark Matter Minihalos and the Compact High-Velocity Clouds. Amiel Sternberg, Christopher F. McKee, & Mark G. Wolfire. 143, 421 (2002)

### GALAXY: GLOBULAR CLUSTERS: GENERAL

The  $Y^2$  Isochrones for  $\alpha$ -Element Enhanced Mixtures. Yong-Cheol Kim, Pierre Demarque, Sukyoung K. Yi, & David R. Alexander. 143, 501 (2002)

## HYDRODYNAMICS

On Validating an Astrophysical Simulation Code. A. C. Calder, B. Fryxell, T. Plewa, R. Rosner, L. J. Dursi, V. G. Weirs, T. Dupont, H. F. Robey, J. O. Kane, B. A. Remington, P. R. Drake, G. Dimonte, M. Zingale, F. X. Timmes, K. Olson, P. Ricker, P. MacNeice, & H. M. Tufo. 143, 201 (2002)

Mapping Initial Hydrostatic Models in Godunov Codes. M. Zingale, L. J. Dursi, J. ZuHone, A. C. Calder, B. Fryxell, T. Plewa, J. W. Truran, A. Caceres, K. Olson, P. M. Ricker, K. Riley, R. Rosner, A. Siegel, F. X. Timmes, & N. Vladimirova. 143, 541 (2002)

### INFRARED: GALAXIES

Near-Infrared and Optical Morphology of Spiral Galaxies. Paul B. Eskridge, Jay A. Frogel, Richard W. Pogge, Alice C. Quillen, Andreas A. Berlind, Roger L. Davies, D. L. DePoy, Karoline M. Gilbert, Mark L. Houndsashelt, Leslie E. Kuchinski, Solange V. Ramirez, K. Sellgren, Amelia Stutz, Donald M. Terndrup, & Glenn P. Tiede. 143, 73 (2002)

Optical and Near-Infrared Imaging of the *IRAS* 1 Jy Sample of Ultraluminous Infrared Galaxies. I. The Atlas. D. C. Kim, S. Veilleux, & D. B. Sanders. 143, 279 (2002)

Optical and Near-Infrared Imaging of the *IRAS* 1 Jy Sample of Ultraluminous Infrared Galaxies. II. The Analysis. S. Veilleux, D. C. Kim, & D. B. Sanders. 143, 317 (2002)

### INFRARED: ISM

Single-Photon Infrared Emission Spectroscopy of Gaseous Polycyclic Aromatic Hydrocarbon Cations: A Direct Test for Proposed Carriers of the Unidentified Infrared Emission Bands. Hack-Sung Kim & Richard J. Saykally. 143, 457 (2002)

### INSTABILITIES

On Validating an Astrophysical Simulation Code. A. C. Calder, B. Fryxell, T. Plewa, R. Rosner, L. J. Dursi, V. G. Weirs, T. Dupont, H. F. Robey, J. O. Kane, B. A. Remington, P. R. Drake, G. Dimonte, M. Zingale, F. X. Timmes, K. Olson, P. Ricker, P. MacNeice, & H. M. Tufo. 143, 201 (2002)

### INSTRUMENTATION: MISCELLANEOUS

The MAP Satellite Feed Horns. Chris Barnes, Michele Limon, Lyman Page, Charles Bennett, Stuart Bradley, Mark Haplern, Gary Hinshaw, Norm Jarosik, Bill Jones, Al Kogut, Stephan Meyer, Olexei Motrunich, Greg Tucker, David Wilkinson, & Ed Wollack. 143, 569 (2002)

### ISM: DUST, EXTINCTION

Single-Photon Infrared Emission Spectroscopy of Gaseous Polycyclic Aromatic Hydrocarbon Cations: A Direct Test for Proposed Carriers of the Unidentified Infrared Emission Bands. Hack-Sung Kim & Richard J. Saykally. 143, 457 (2002)

The Physical Conditions for Massive Star Formation: Dust Continuum Maps and Modeling. Kaisa E. Mueller, Yancy L. Shirley, Neal J. Evans III, & Heather R. Jacobson. 143, 471 (2002)

### ISM: H II REGIONS

Star Formation Rates in Interacting Starburst Galaxies. M. A. Dopita, M. Pereira, L. J. Kewley, & M. Capaccioli. 143, 47 (2002)

### ISM: LINES AND BANDS

Single-Photon Infrared Emission Spectroscopy of Gaseous Polycyclic Aromatic Hydrocarbon Cations: A Direct Test for Proposed Carriers of the Unidentified Infrared Emission Bands. Hack-Sung Kim & Richard J. Saykally. 143, 457 (2002)

### METHODS: LABORATORY

Single-Photon Infrared Emission Spectroscopy of Gaseous Polycyclic Aromatic Hydrocarbon Cations: A Direct Test for Proposed Carriers of the Unidentified Infrared Emission Bands. Hack-Sung Kim & Richard J. Saykally. 143, 457 (2002)

### METHODS: NUMERICAL

On Validating an Astrophysical Simulation Code. A. C. Calder, B. Fryxell, T. Plewa, R. Rosner, L. J. Dursi, V. G. Weirs, T. Dupont, H. F. Robey, J. O. Kane, B. A. Remington, P. R. Drake, G. Dimonte, M. Zingale, F. X. Timmes, K. Olson, P. Ricker, P. MacNeice, & H. M. Tufo. 143, 201 (2002)

Mapping Initial Hydrostatic Models in Godunov Codes. M. Zingale, L. J. Dursi, J. ZuHone, A. C. Calder, B. Fryxell, T. Plewa, J. W. Truran, A. Caceres, K. Olson, P. M. Ricker, K. Riley, R. Rosner, A. Siegel, F. X. Timmes, & N. Vladimirova. 143, 541 (2002)

### MOLECULAR DATA

Single-Photon Infrared Emission Spectroscopy of Gaseous Polycyclic Aromatic Hydrocarbon Cations: A Direct Test for Proposed Carriers of the

Unidentified Infrared Emission Bands. *Hack-Sung Kim & Richard J. Saykally*. 143, 457 (2002)

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The  $Y^2$  Isochrones for  $\alpha$ -Element Enhanced Mixtures. *Yong-Cheol Kim, Pierre Demarque, Sukyoung K. Yi, & David R. Alexander*. 143, 501 (2002)

**RADIO CONTINUUM: GENERAL**

Optical Counterparts for 70,000 Radio Sources: APM Identifications for the FIRST Radio Survey. *Richard G. McMahon, Richard L. White, David J. Helfand, & Robert H. Becker*. 143, 1 (2002)

**SHOCK WAVES**

On Validating an Astrophysical Simulation Code. *A. C. Calder, B. Fryxell, T. Plewa, R. Rosner, L. J. Dursi, V. G. Weirs, T. Dupont, H. F. Robey, J. O. Kane, B. A. Remington, P. R. Drake, G. Dimonte, M. Zingale, F. X. Timmes, K. Olson, P. Ricker, P. MacNeice, & H. M. Tufo*. 143, 201 (2002)

**STARS: ABUNDANCES**

The  $Y^2$  Isochrones for  $\alpha$ -Element Enhanced Mixtures. *Yong-Cheol Kim, Pierre Demarque, Sukyoung K. Yi, & David R. Alexander*. 143, 501 (2002)

**STARS: BINARIES: CLOSE**

Spectral Classification of the Hot Components of a Large Sample of Stars with Composite Spectra and Implications for the Absolute Magnitudes of the Cool Supergiants of the Systems. *N. Ginestet & J. M. Carquillat*. 143, 515 (2002)

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An Atlas of Galactic OB Spectra Observed with the *Far Ultraviolet Spectroscopic Explorer*. *Anne Pellerin, Alex W. Fullerton, Carmelle Robert, J. Christopher Howk, John B. Hutchings, Nolan R. Walborn, Luciana Bianchi, Paul A. Crowther, & George Sonneborn*. 143, 159 (2002)

The Physical Conditions for Massive Star Formation: Dust Continuum Maps and Modeling. *Kaisa E. Mueller, Yancy L. Shirley, Neal J. Evans III, & Heather R. Jacobson*. 143, 471 (2002)

**STARS: EVOLUTION**

The  $Y^2$  Isochrones for  $\alpha$ -Element Enhanced Mixtures. *Yong-Cheol Kim, Pierre Demarque, Sukyoung K. Yi, & David R. Alexander*. 143, 501 (2002)

**STARS: FORMATION**

Star Formation Rates in Interacting Starburst Galaxies. *M. A. Dopita, M. Pereira, L. J. Kewley, & M. Capaccioli*. 143, 47 (2002)

The Physical Conditions for Massive Star Formation: Dust Continuum Maps and Modeling. *Kaisa E. Mueller, Yancy L. Shirley, Neal J. Evans III, & Heather R. Jacobson*. 143, 471 (2002)

**STARS: FUNDAMENTAL PARAMETERS**

Spectral Classification of the Hot Components of a Large Sample of Stars with Composite Spectra and Implications for the Absolute Magnitudes of the Cool Supergiants of the Systems. *N. Ginestet & J. M. Carquillat*. 143, 515 (2002)

## STARS: INTERIORS

The  $Y^2$  Isochrones for  $\alpha$ -Element Enhanced Mixtures. *Yong-Cheol Kim, Pierre Demarque, Sukyoung K. Yi, & David R. Alexander*. 143, 501 (2002)

## STELLAR DYNAMICS

Mapping Initial Hydrostatic Models in Godunov Codes. *M. Zingale, L. J. Dursi, J. Zuhone, A. C. Calder, B. Fryxell, T. Plewa, J. W. Truran, A. Caceres, K. Olson, P. M. Ricker, K. Riley, R. Rosner, A. Siegel, F. X. Timmes, & N. Vladimirova*. 143, 541 (2002)

## SUBMILLIMETER

The Physical Conditions for Massive Star Formation: Dust Continuum Maps and Modeling. *Kaisa E. Mueller, Yancy L. Shirley, Neal J. Evans III, & Heather R. Jacobson*. 143, 471 (2002)

## SURVEYS

Optical Counterparts for 70,000 Radio Sources: APM Identifications for the FIRST Radio Survey. *Richard G. McMahon, Richard L. White, David J. Helfand, & Robert H. Becker*. 143, 1 (2002)

## TECHNIQUES: SPECTROSCOPIC

Single-Photon Infrared Emission Spectroscopy of Gaseous Polycyclic Aromatic Hydrocarbon Cations: A Direct Test for Proposed Carriers of the Unidentified Infrared Emission Bands. *Hack-Sung Kim & Richard J. Saykally*. 143, 457 (2002)

Spectral Classification of the Hot Components of a Large Sample of Stars with Composite Spectra and Implications for the Absolute Magnitudes of the Cool Supergiants of the Systems. *N. Ginestet & J. M. Carquillat*. 143, 515 (2002)

## ULTRAVIOLET: GALAXIES

A *Hubble Space Telescope* Survey of the Mid-Ultraviolet Morphology of Nearby Galaxies. *Rogier A. Windhorst, Violet A. Taylor, Rolf A. Jansen, Stephen C. Odewahn, Claudia A. T. Chiarenza, Christopher J. Conselice, Richard de Grijs, Roelof S. de Jong, John W. MacKenry, Paul B. Eskridge, Jay A. Frogel, John S. Gallagher III, John E. Hibbard, Lynn D. Matthews, & Robert W. O'Connell*. 143, 113 (2002)

Emission Line Properties of Active Galactic Nuclei from a Pre-COSTAR FOS *Hubble Space Telescope* Spectral Atlas. *Joanna K. Kuraszkiewicz, Paul J. Green, Karl Forster, Thomas L. Aldcroft, Ian N. Evans, & Anuradha Koratkar*. 143, 259 (2002)

## ULTRAVIOLET: STARS

An Atlas of Galactic OB Spectra Observed with the *Far Ultraviolet Spectroscopic Explorer*. *Anne Pellerin, Alex W. Fullerton, Carmelle Robert, J. Christopher Howk, John B. Hutchings, Nolan R. Walborn, Luciana Bianchi, Paul A. Crowther, & George Sonneborn*. 143, 159 (2002)

## X-RAYS: BINARIES

A Catalog of Candidate Intermediate-Luminosity X-Ray Objects. *E. J. M. Colbert & A. F. Ptak*. 143, 25 (2002)

## X-RAYS: GALAXIES

A Catalog of Candidate Intermediate-Luminosity X-Ray Objects. *E. J. M. Colbert & A. F. Ptak*. 143, 25 (2002)

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